

## Drug Cutoff Concentrations\*

**Prepared by:** Division of Workplace Programs

**Posted:** February 2005

The following cutoff concentrations are used by certified laboratories to test urine specimens collected by Federal agencies and by employers regulated by the Department of Transportation:

### Initial Test Cutoff Concentration (nanograms/milliliter)

Marijuana metabolites	50
Cocaine metabolites	300
Opiate metabolites	2000
Phencyclidine	25
Amphetamines	1000

### Confirmatory Test Cutoff Concentration (nanograms/milliliter)

Marijuana metabolite (1)	15
Cocaine metabolite (2)	150
Opiates:	
Morphine	2000
Codeine	2000
6-Acetylmorphine (4)	10
Phencyclidine	25
Amphetamines:	
Amphetamine	500
Methamphetamine (3)	500

Footnotes:

- (1) Delta-9-tetrahydrocannabinol-9-carboxylic acid
- (2) Benzoylcegonine
- (3) Specimen must also contain amphetamine at a concentration greater than or equal to 200 nanograms/milliliter
- (4) Test for 6-AM when morphine concentration exceeds 2000 nanograms/milliliter

\* From the Mandatory Guidelines for Federal Workplace Drug Testing Programs, Federal Register notice published April 13, 2004 (69 FR 19644) effective November 1, 2004.